

IDENTIFICATION

Species: *Brachypodium distachyon*

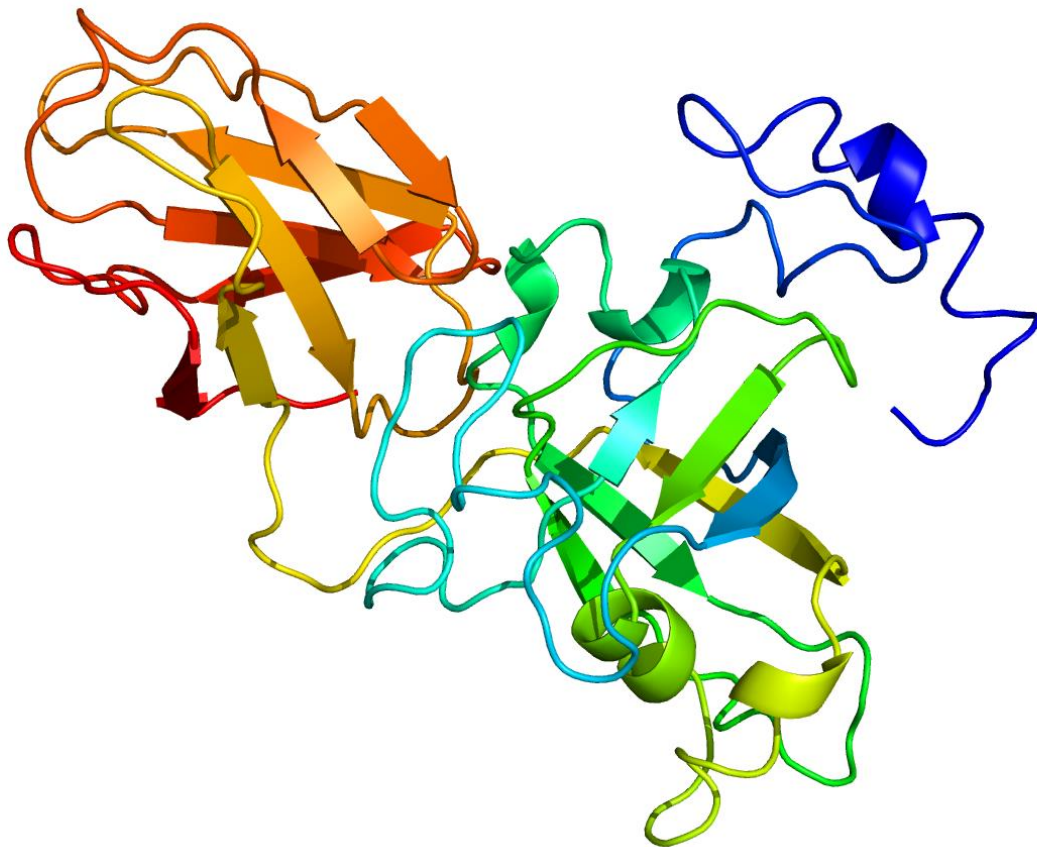
Locus: Bradi3g32810

Gene Model: Bradi3g32810.1.p

Description: BdEXPB-06

Family: Beta Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Bdistachyon_v3_1

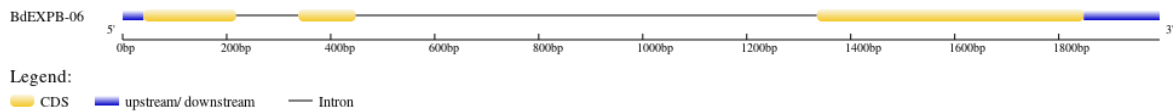
KEGG: <https://www.genome.jp/entry/T01717>

EXTERNAL RESOURCES

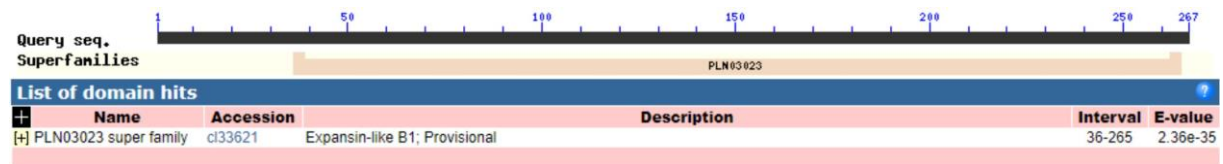
<https://brachypodium.org/>

https://archive.gramene.org/species/brachypodium/brachypodium_intro.html

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BdEXPB-06

MGSLSYVLAGVVLAALATGGACIPKVPPGPNVTANYNGQWLNAMATWYGKPTGA
GPKDNGGACGIKDVNLPYASAMTACGNVPIFKDGRGCGSCYEYKCNVPAKLCSNKPI
TVFITDMNYEPIAPYHLDLSGTAFLMAQPGKEQLLRNCGELQLQFRRVRCKLPPGT
KITFHIEKGSNPNYLAVLVKFASDDGDIVQMDLQDKISPEWKPMKESWGAVWRMDS
IKPLKGPYSIRLTSESGKLIADIIPLNWKPDFTFLKSNIQF*

CDS (coding hits)

>BdEXPB-06

ATGGGTTCTCTCTCGTACGTGCTCGCCGGCGTGGTGCTGGCGGCGCTGGCGACCG
GCGGCGCGTGCATCCCCAAGGTGCCGCCGGGGCCCAACGTGACGGCCAACACTACA
ACGGCCAGTGGCTCAACGCCATGGCCACCTGGTACGGCAAGCCCACAGGCGCCG
GGCCCAAAGACAACGGTGGTGCCTGCGGGATCAAGGACGTGAACCTGCCGCCCT
ACAGCGCCATGACGGCCTGCGGCAACGTTCCCATCTTCAAGGACGGCAGGGGAT
GCGGCTCCTGCTACGAGGTCAAGTGCAATGTGCCGGCGAAGTTGTGCTCGAACAA
GCCATAACGGTGTTCATCACGGACATGAACTACGAGCCGATCGCGCCGTACCAC
CTCGACCTCTCCGGCACGGCGTTCGGCCTGATGGCGCAGCCCGGGAAGGAGCAG
CTGCTCCGCAACTGCGGGGAGCTGCAGCTGCAGTTCAGGAGGGTCCGCTGCAAGT
TACCGCCGGGCACCAAGATCACCTTCCACATCGAGAAGGGATCAAACCCAACT
ACCTGGCCGTGCTCGTCAAGTTCGCCTCCGACGACGGCGACATCGTGCAGATGGA
CCTCCAGGACAAAATTTCCGCCGAGTGGAAGCCCATGAAGGAGTCGTGGGGCGC
CGTCTGGAGGATGGACTCCATCAAGCCACTCAAGGGCCCTTACTCCATCCGCCTC
ACCAGCGAGTCCGGCAAGAAGCTTATTGCCAAGGATATTATCCCCCTCAACTGGA
AGCCTGACACCTTCTTGAATCCAATATCCAGTTCTAG

Nucleotide

>BdEXPB-06

CACACAGCCCACAGGAGCTAGCGTCTCTCTATCTACACATGGGTTCTCTCTCGT
ACGTGCTCGCCGGCGTGGTGCTGGCGGCGCTGGCGACCGGCGGCGCGTGCATCCC
CAAGGTGCCGCCGGGGCCCAACGTGACGGCCAACACTACAACGGCCAGTGGCTCAA
CGCCATGGCCACCTGGTACGGCAAGCCCACAGGCGCCGGGGCCCAAAGACAACGG

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CTGCTTTCTTTGGCTGGAATTACTTATCACTGATACTAAATCCGGAACAACCTATTA
TGGGTGGAGGGAGTAGTAAATCCCTAGAAGATCTCTTAAATAAAAAATCCCCGTG
TCACTTGAATTGCAGAATTACACAAATTTGGCACACAGAAAGAGCAACCGCAA
TTTCGGTTCATAGATCATATGTAAAAATAGGTTCTAATGTCTGACCAAGAGTGGT
TATTTTCTGTCAACTCAACGATAGATATATTTTCAGTCGACAATCATAATTAATCAT
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CATAAAAATAGCTATTTTCCGTCTTCTAAGAAATAGAAAAAATTGTGTTAAAAAA
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CATAACGGTGTTCATCACGGACATGAACTACGAGCCGATCGCGCCGTACCACCTC
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CGCCGGGCACCAAGATCACCTTCCACATCGAGAAGGGATCAAACCCAAACTACC
TGGCCGTGCTCGTCAAGTTCGCCTCCGACGACGGCGACATCGTGCAGATGGACCT
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AATGCATGTAGCTAGTTTTATTGATGTGCCTATTATGTCATGCTTTTGCTTGAGCT
AGAATATAATCAAT